

| L Number | Hits | Search Text   | DB  | Time stamp       |
|----------|------|---|---|------------------|
| 5        | 424  | 562/439.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 6        | 190  | 548/480.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 7        | 256  | 549/69.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 8        | 246  | 548/473.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 10       | 903  | 548/253.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 11       | 276  | 549/373.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 12       | 2244 | 562/439.ccls. or 548/480.ccls. or<br>549/69.ccls. or 548/473.ccls. or<br>588/417.ccls. or 548/253.ccls. or<br>549/373.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 13       | 614  | 514/452.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 14       | 1002 | 514/381.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 15       | 998  | 514/563.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 16       | 85   | 514/113.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 17       | 233  | 514/447.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 18       | 258  | 514/417.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 19       | 654  | 514/364.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 20       | 3613 | 514/452.ccls. or 514/381.ccls. or<br>514/563.ccls. or 514/113.ccls. or<br>514/447.ccls. or 514/417.ccls. or<br>514/364.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 21       | 5380 | (514/452.ccls. or 514/381.ccls. or<br>514/563.ccls. or 514/113.ccls. or<br>514/447.ccls. or 514/417.ccls. or<br>514/364.ccls.) or (562/439.ccls. or<br>548/480.ccls. or 549/69.ccls. or<br>548/473.ccls. or 588/417.ccls. or<br>548/253.ccls. or 549/373.ccls.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 22       | 6894 | glucagon  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |

|    |     |   |   |                  |
|----|-----|---|---|------------------|
| 1  | 10  | US-5880139-\$.DID. OR US-5776954-\$.DID. OR<br>US-4359474-\$.DID. OR US-4374130-\$.DID. OR<br>US-5837719-\$.DID.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 24 | 91  | ((514/452.ccls. or 514/381.ccls. or<br>514/563.ccls. or 514/113.ccls. or<br>514/447.ccls. or 514/417.ccls. or<br>514/364.ccls.) or (562/439.ccls. or<br>548/480.ccls. or 549/69.ccls. or<br>548/473.ccls. or 588/417.ccls. or<br>548/253.ccls. or 549/373.ccls.)) and<br>glucagon | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 2  | 2   | 6096773.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 3  | 2   | 6262084.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 4  | 3   | 9952493.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 23 | 477 | (514/452.ccls. or 514/381.ccls. or<br>514/563.ccls. or 514/113.ccls. or<br>514/447.ccls. or 514/417.ccls. or<br>514/364.ccls.) and (562/439.ccls. or<br>548/480.ccls. or 549/69.ccls. or<br>548/473.ccls. or 588/417.ccls. or<br>548/253.ccls. or 549/373.ccls.)                  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 06:05 |
| 25 | 2   | 6562807.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 07:59 |
| 26 | 1   | 6762318.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 08:06 |
| 27 | 2   | 6503949.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/07/16 08:06 |

|   | Type | L # | Hits | Search Text  | DBs  | Time Stamp          | Comments | Error Definition |
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| 2 | BRS  | L6  | 190  | 548/480.ccls.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 3 | BRS  | L7  | 256  | 549/69.ccls.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 4 | BRS  | L8  | 246  | 548/473.ccls.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 5 | BRS  | L10 | 903  | 548/253.ccls.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 6 | BRS  | L11 | 276  | 549/373.ccls.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 7 | BRS  | L12 | 2244 | 562/439.ccls. or<br>548/480.ccls. or<br>549/69.ccls. or<br>548/473.ccls. or<br>588/417.ccls. or<br>548/253.ccls. or<br>549/373.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |

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| 6 | 0      |
| 7 | 0      |

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| 8  | BRS  | L13 | 614  | 514/452.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 9  | BRS  | L14 | 1002 | 514/381.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 10 | BRS  | L15 | 998  | 514/563.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 11 | BRS  | L16 | 85   | 514/113.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 12 | BRS  | L17 | 233  | 514/447.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 13 | BRS  | L18 | 258  | 514/417.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 14 | BRS  | L19 | 654  | 514/364.ccls. | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |

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| 15 | BRS  | L20 | 3613 | 514/452.ccls. or<br>514/381.ccls. or<br>514/563.ccls. or<br>514/113.ccls. or<br>514/447.ccls. or<br>514/417.ccls. or<br>514/364.ccls.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 16 | BRS  | L21 | 5380 | (514/452.ccls. or<br>514/381.ccls. or<br>514/563.ccls. or<br>514/113.ccls. or<br>514/447.ccls. or<br>514/417.ccls. or<br>514/364.ccls.) or<br>(562/439.ccls. or<br>548/480.ccls. or<br>549/69.ccls. or<br>548/473.ccls. or<br>588/417.ccls. or<br>548/253.ccls. or<br>549/373.ccls.)                   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 17 | BRS  | L22 | 6894 | glucagon   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 18 | BRS  | L1  | 10   | US-5880139-\$.DID. OR<br>US-5776954-\$.DID. OR<br>US-4359474-\$.DID. OR<br>US-4374130-\$.DID. OR<br>US-5837719-\$.DID.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 19 | BRS  | L24 | 91   | ((514/452.ccls. or<br>514/381.ccls. or<br>514/563.ccls. or<br>514/113.ccls. or<br>514/447.ccls. or<br>514/417.ccls. or<br>514/364.ccls.) or<br>(562/439.ccls. or<br>548/480.ccls. or<br>549/69.ccls. or<br>548/473.ccls. or<br>588/417.ccls. or<br>548/253.ccls. or<br>549/373.ccls.)) and<br>glucagon | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 20 | BRS  | L2  | 2    | 6096773.pn.  | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |

|    | Err<br>ors |
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| 15 | 0          |
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| 19 | 0          |
| 20 | 0          |



|    | Type | L # | Hits | Search Text   | DBs  | Time Stamp          | Comments | Error Definition |
|----|------|-----|------|---|--|---------------------|----------|------------------|
| 21 | BRS  | L3  | 2    | 6262084.pn.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 22 | BRS  | L4  | 3    | 9952493.pn.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 23 | BRS  | L23 | 477  | (514/452.ccls. or<br>514/381.ccls. or<br>514/563.ccls. or<br>514/113.ccls. or<br>514/447.ccls. or<br>514/417.ccls. or<br>514/364.ccls.) and<br>(562/439.ccls. or<br>548/480.ccls. or<br>549/69.ccls. or<br>548/473.ccls. or<br>588/417.ccls. or<br>548/253.ccls. or<br>549/373.ccls.) | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>06:05 |          |                  |
| 24 | BRS  | L25 | 2    | 6562807.pn.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>07:59 |          |                  |
| 25 | BRS  | L26 | 1    | 6762318.pn.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>08:06 |          |                  |
| 26 | BRS  | L27 | 2    | 6503949.pn.   | USPAT<br>;<br>US-PG<br>PUB;<br>EPO;<br>JPO;<br>DERWE<br>NT | 2004/07/16<br>08:06 |          |                  |

|    | Errors |
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| 22 | 0      |
| 23 | 0      |
| 24 | 0      |
| 25 | 0      |
| 26 | 0      |

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 06:14:46 ON 16 JUL 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2004 HIGHEST RN 710278-45-8

DICTIONARY FILE UPDATES: 14 JUL 2004 HIGHEST RN 710278-45-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

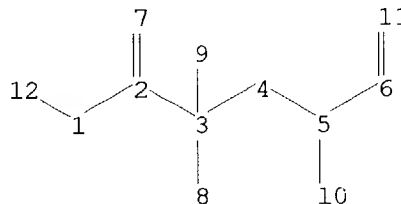
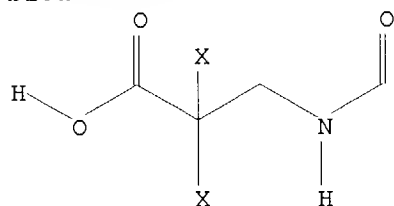
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Examination Auxillary files\09995987\09995987 third try fixed H broader.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-2 1-12 2-3 2-7 3-4 3-8 3-9 4-5 5-6 5-10 6-11

exact/norm bonds :

4-5 5-6 6-11

exact bonds :

1-12 2-3 3-4 3-8 3-9 5-10

normalized bonds :

1-2 2-7

G1:C,O,S,N

Hydrogen count :

4:>= minimum 2

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

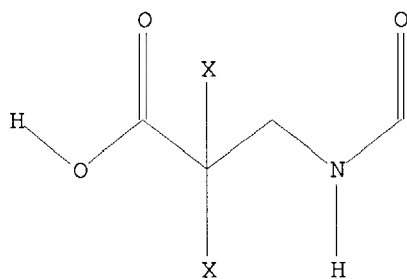
10:CLASS 11:CLASS 12:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 06:15:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 21 TO ITERATE

100.0% PROCESSED 21 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 146 TO 694

PROJECTED ANSWERS: 1 TO 80

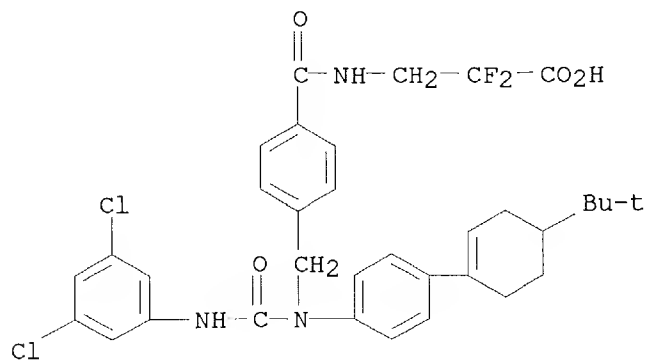
L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 3-[[4-[[[(3,5-dichlorophenyl)amino]carbonyl][4-[4-(1,1-dimethylethyl)-1-cyclohexen-1-yl]phenyl]amino]methyl]benzoyl]amino]-2,2-difluoro- (9CI)

MF C34 H35 Cl2 F2 N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> search l1 sss full

FULL SEARCH INITIATED 06:15:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 525 TO ITERATE

100.0% PROCESSED 525 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

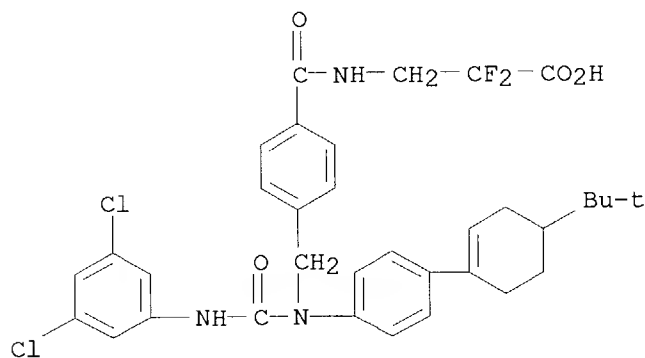
L3 3 SEA SSS FUL L1

=> d scan

L3 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 3-[[4-[[[(3,5-dichlorophenyl)amino]carbonyl][4-[4-(1,1-dimethylethyl)-1-cyclohexen-1-yl]phenyl]amino]methyl]benzoyl]amino]-2,2-difluoro- (9CI)

MF C34 H35 Cl2 F2 N3 O4



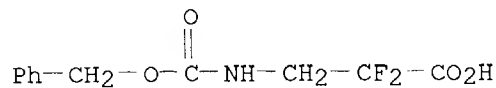
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 2,2-difluoro-3-[[ (phenylmethoxy)carbonyl]amino]- (9CI)

MF C11 H11 F2 N O4

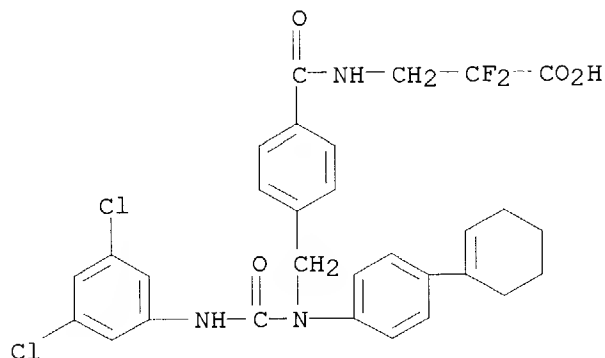


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 3-[[4-[[[4-(1-cyclohexen-1-yl)phenyl]][(3,5-

dichlorophenyl) amino] carbonyl] amino] methyl] benzoyl] amino] -2,2-difluoro-  
(9CI)  
MF C30 H27 Cl2 F2 N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.84

156.05

FILE 'CAPLUS' ENTERED AT 06:16:02 ON 16 JUL 2004  
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FILE COVERS 1907 - 16 Jul 2004 VOL 141 ISS 4  
FILE LAST UPDATED: 15 Jul 2004 (20040715/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 13

L4 1 L3

=> d l4 ti fbib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.

AN 2002:391685 CAPLUS  
 DN 136:385945  
 TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.  
 IN Jorgensen, Anker Steen; Madsen, Peter  
 PA Novo Nordisk A/S, Den.  
 SO PCT Int. Appl., 85 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO.  | DATE       |  |
|----|---------------|------|----------|--|------------|--|
| PI | WO 2002040446 | A1   | 20020523 | WO 2001-DK760  | 20011115   |  |
|    | W:            |      |          | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |            |  |
|    | RW:           |      |          | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |            |  |
|    | AU 2002023502 | A5   | 20020527 | DK 2000-1733   | A 20001117 |  |
|    |               |      |          | AU 2002-23502  | 20011115   |  |
|    |               |      |          | DK 2000-1733   | A 20001117 |  |
|    |               |      |          | WO 2001-DK760  | W 20011115 |  |
|    | EP 1345891    | A1   | 20030924 | EP 2001-996529   | 20011115   |  |
|    | R:            |      |          | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |            |  |
|    |               |      |          | DK 2000-1733   | A 20001117 |  |
|    |               |      |          | WO 2001-DK760  | W 20011115 |  |
|    | JP 2004513936 | T2   | 20040513 | JP 2002-542774   | 20011115   |  |
|    |               |      |          | DK 2000-1733   | A 20001117 |  |
|    |               |      |          | WO 2001-DK760  | W 20011115 |  |
|    | US 2003027849 | A1   | 20030206 | US 2001-995987   | 20011116   |  |
|    |               |      |          | DK 2000-1733   | A 20001117 |  |
|    |               |      |          | US 2000-252322PP   | 20001120   |  |

OS MARPAT 136:385945  
 AB HO2CCF2CH2NHCOZCHR2N(E)XD [R2 = H, alkyl; Z = (substituted) arylene, heteroarylene; X = (CH2)q(CR12R13)r(CH2)s, CO(CR12R13)r(CH2)s, NR11CO(CR12R13)r(CH2)s, etc.; r = 0, 1; s = 0-3; R11, R12, R13 = H, alkyl; D = (substituted) Ph, naphthyl, pyridyl, indenyl, benzothienyl, thienyl, furyl, benzofuryl, etc.; E = (substituted) cyclohexyl, Ph, PhCH2, PhCH2CH2, indanyl, benzhydryl, etc.], were prepared Thus, Me 4-[(4-cyclohex-1-enylphenylamino)methyl]benzoate (preparation given) in CH2Cl2 containing diisopropylethylamine was treated with 3,5-dichlorophenyl isocyanate to give a residue which was saponified with LiOH. The resulting acid in DMF was treated with 3-[(dimethyliminium)(dimethylamino)methyl]-1,2,3-benzotriazol-1-ium-1-olate hexafluorophosphate, diisopropylethylamine, Me 3-amino-2,2-difluoropropionate hydrochloride to give the uncharacterized amide ester, which was saponified with aqueous LiOH in THF/MeOH to give 3-[4-[1-(4-cyclohex-1-enylphenyl)-3-(3,5-dichlorophenyl)ureidomethyl]benzoylamino]-2,2-difluoropropionic acid. In a human glucagon receptor binding assay, title compds. showed IC50<1000 nM.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE  
 ENTRY

TOTAL  
 SESSION

|  |            |         |
|--|------------|---------|
| FULL ESTIMATED COST                        | 3.14       | 159.19  |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| CA SUBSCRIBER PRICE                        | -0.74      | -0.74   |

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 May 12 EXTEND option available in structure searching  
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent  
SDIs in Caplus  
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY  
NEWS 7 Jun 22 STN Patent Forums to be held July 19-22, 2004  
NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT  
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,  
and WATER from CSA now available on STN(R)  
NEWS 10 Jul 12 BEILSTEIN enhanced with new display and select options,  
resulting in a closer connection to BABS  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:23:23 ON 16 JUL 2004

=> file caplus

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

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FILE COVERS 1907 - 16 Jul 2004 VOL 141 ISS 4  
FILE LAST UPDATED: 15 Jul 2004 (20040715/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

|                      |            |         |
|----------------------|------------|---------|
| => file reg          |            |         |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL   |
|                      | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 0.46       | 0.67    |

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STRUCTURE FILE UPDATES: 14 JUL 2004 HIGHEST RN 710278-45-8  
DICTIONARY FILE UPDATES: 14 JUL 2004 HIGHEST RN 710278-45-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

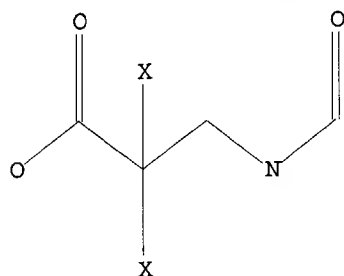
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\Examination Auxillary files\09995987\09995987 patetable core broadest.str

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam  
SAMPLE SEARCH INITIATED 07:24:18 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 194 TO ITERATE

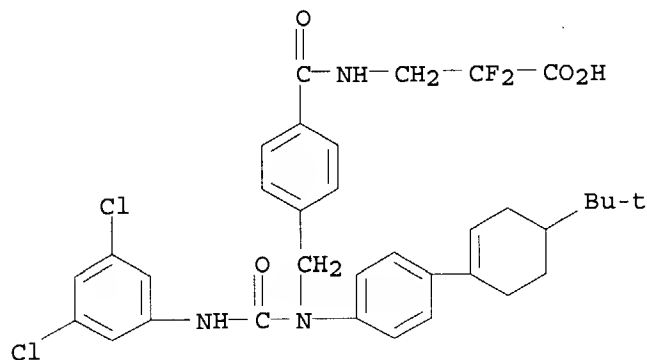
100.0% PROCESSED 194 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 3045 TO 4715  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> d scan

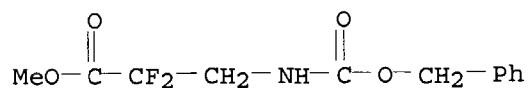
L2 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Propanoic acid, 3-[[4-[[[(3,5-dichlorophenyl)amino]carbonyl][4-[4-(1,1-dimethylethyl)-1-cyclohexen-1-yl]phenyl]amino]methyl]benzoyl]amino]-2,2-difluoro- (9CI)  
MF C34 H35 Cl2 F2 N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Propanoic acid, 2,2-difluoro-3-[[[(phenylmethoxy)carbonyl]amino]-, methyl ester (9CI)  
MF C12 H13 F2 N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

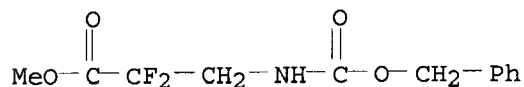
=> search l1 sss full  
FULL SEARCH INITIATED 07:24:40 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 4048 TO ITERATE

100.0% PROCESSED 4048 ITERATIONS 4 ANSWERS  
SEARCH TIME: 00.00.01

L3 4 SEA SSS FUL L1

=> d scan

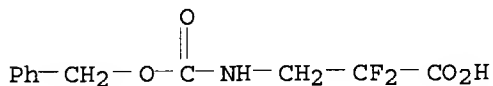
L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Propanoic acid, 2,2-difluoro-3-[[phenylmethoxy)carbonyl]amino]-, methyl  
ester (9CI)  
MF C12 H13 F2 N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

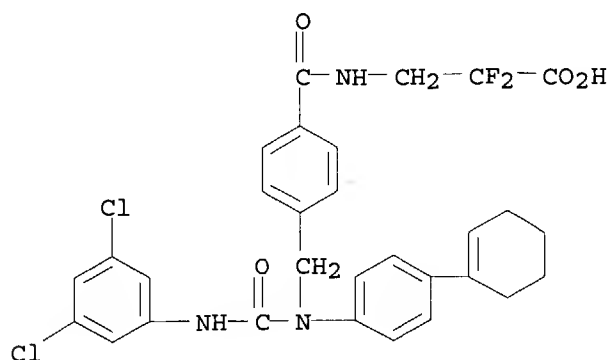
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Propanoic acid, 2,2-difluoro-3-[[phenylmethoxy)carbonyl]amino]- (9CI)  
MF C11 H11 F2 N O4



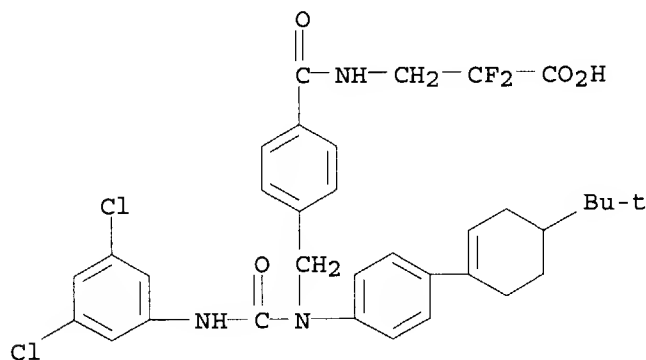
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Propanoic acid, 3-[[4-[[4-(1-cyclohexen-1-yl)phenyl][[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]benzoyl]amino]-2,2-difluoro-  
(9CI)  
MF C30 H27 Cl2 F2 N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN Propanoic acid, 3-[[4-[[[(3,5-dichlorophenyl)amino]carbonyl][4-[4-(1,1-dimethylethyl)-1-cyclohexen-1-yl]phenyl]amino]methyl]benzoyl]amino]-2,2-difluoro- (9CI)  
 MF C34 H35 Cl2 F2 N3 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 155.84     | 156.51  |

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FILE COVERS 1907 - 16 Jul 2004 VOL 141 ISS 4  
FILE LAST UPDATED: 15 Jul 2004 (20040715/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l3

L4 1 L3

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:391685 CAPLUS  
DN 136:385945  
TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.  
IN Jorgensen, Anker Steen; Madsen, Peter  
PA Novo Nordisk A/S, Den.  
SO PCT Int. Appl., 85 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | WO 2002040446  | A1   | 20020523 | WO 2001-DK760   | 20011115 |
|      | W:   |      |          |                 |          |
|      | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|      | RW:  |      |          |                 |          |
|      | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |      |          |                 |          |
|      | AU 2002023502  | A5   | 20020527 | AU 2002-23502   | 20011115 |
|      | EP 1345891   | A1   | 20030924 | EP 2001-996529  | 20011115 |
|      | R:   |      |          |                 |          |
|      | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR   |      |          |                 |          |
|      | JP 2004513936  | T2   | 20040513 | JP 2002-542774  | 20011115 |
|      | US 2003027849  | A1   | 20030206 | US 2001-995987  | 20011116 |
| PRAI | DK 2000-1733   | A    | 20001117 |                 |          |
|      | US 2000-252322P  | P    | 20001120 |                 |          |
|      | WO 2001-DK760  | W    | 20011115 |                 |          |

OS MARPAT 136:385945

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file beilstein

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 2.03       | 158.54  |

FULL ESTIMATED COST

FILE 'BEILSTEIN' ENTERED AT 07:26:00 ON 16 JUL 2004  
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FILE RELOADED ON OCTOBER 20, 2002  
FILE LAST UPDATED ON JUNE 15, 2004

FILE COVERS 1771 TO 2003.

\*\*\* FILE CONTAINS 8,997,153 SUBSTANCES \*\*\*

>>> PLEASE NOTE: Reaction data and substance data are stored in separate documents and can not be searched together in one query.

Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a molecular formula or a structure search for example can be restricted to compounds with available reaction information by concatenation with PRE/FA, REA/FA or more general with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be selected from substance answer sets and searched in the next step as reaction partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN). After a search for reaction details substance documents associated with reactants or products may be retrieved by searching RX.PBRNs or RX.RBRNs as BRNs. <<<

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\* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. \*  
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\*\*\*\*\*

=> 11

SAMPLE SEARCH INITIATED 07:26:08 FILE 'BEILSTEIN'  
SAMPLE SCREEN SEARCH COMPLETED - 67 TO ITERATE

100.0% PROCESSED 67 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 849 TO 1831  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L1